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PHOTOGRAPHIC INTERPRETATION REPORT

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

INDUSTRIAL EXPANSION IN HUPEH PROVINCE, CHINA

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INDUSTRIAL EXPANSION IN HUPEH PROVINCE, CHINA

ABSTRACT

1. This report describes major industrial expansion observed on photography in Hupeh Province, China, since late 1969. This report contains text, a location map, two photographs, and a table.

INTRODUCTION				
2. In late 1969, the Chinese began a program of industrial expansion in Hupeh Province. 37 newly observed installations (Figure 1 and Table 1) had been provisionally identified by function. Most of the large installations appear to be engaged in metal fabrication for a broad range ofmachinery and equipment. The Chinese have also emphasized increasing petroleum, chemical, and vehicle production facilities. 3. Industrial expansion has been observed generally in remote areas, and the facilities are often widely dispersed. Construction of some of the newly observed installations appears to be closely related to new rail line construction. The main area of industrial expansion appears to be in the western part of the province near Kuang-hua and I-chang.	25X1			
BASIC DESCRIPTION				
4. Thirty-seven industrial installations were newly observed in Hupeh Province. Construction of most of the installations began in late 1969. more than half were operational or externally complete. 5. Construction patterns follow those observed in other areas of China. The facilities are dispersed in rural mountainous areas in a series of interconnected valleys which provide	25 X 1			
natural concealment and protection (Figure 2). 6. Industrial expansion and rail line construction seem to be closely related. The associated rail construction consists of two new lines which, when complete, will pass through Hupeh Province. One line is the projected Lo-yang (in Honan Province) to Lou-ti (in Hunan Province) rail line which is serviceable to Chih-chiang at 30-11-00N 111-31-00E. When the other line is complete, it will connect Wu-han and Chung-ching at 29-32-55N 106-30-20E in Szechwan Province, this line was serviceable to Shih-yen-chen Unidentified Industrial Complex. Initial construction of these two main lines and many of the connecting rail spurs had begun Construction of many of	25X1 25X1			
the industrial installations near these rail lines had also begun 7. The industrial installations vary from a simple facility of 278 square meters (3,000 square feet) of floorspace with two or three large fabrication buildings to an elaborate complex of more than 695,000 square meters (7.5 million square feet) of floorspace with more than 100 fabrication, assembly, and shop-type buildings. Three of the newly observed installations contain six to ten large, physically separated production areas which may be functionally associated. The largest of these is Shih-yen-chen Unidentified Industrial Complex (Figure 3) which covers 43.4 square nautical miles and contains more than 130 large fabrication, assembly, and shop-type buildings.	25X1			

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(Item numbers keyed to Figure 1)

Subspace Coordinates Coordinates Coordinates Complex (Figur 3)			(Item numbers keyed to Figure 1)	
Complex (Figure 3) 2 Kuaphun Erbination (Assembly Plant 3 22465M 3 Ku-cheng Prob Fabrication/Assembly Plant 3 22465M 4 Part 4 Part 5 Tao-yang Prob Fabrication/Assembly Plant 5 Tao-yang Fabrication Plant 111-13-066 6 Shih-pan-kou Prob Fabrication/ Plant 111-13-066 6 Shih-pan-kou Prob Fabrication/ Plant 111-13-066 7 Ku-cheng Prob Fabrication Plant 111-13-066 8 Haisang-yang Industrial Complex 111-14-066 9 Nan-chang Light Fabrication Industry 111-14-08-06 9 Nan-chang Light Fabrication Industry 111-14-08-06 9 Nan-chang Prob Heavy Fabrication 111-14-08-06 11 Nan-chang Prob Heavy Fabrication Plant 111-08-06 12 Nan-chang Prob Heavy Fabrication Plant 111-08-06		Installation		25X1 Remarks
2	1			Under construction
11.36.06				5
Section Sect	2	Kuang-hua Fabrication/Assembly Plant		20/
Plant Halmay-yang Prob Fabrication / Assembly Plant 117-24-20E 27-20N Plant 117-24-30E 3-20-20N 117-24-30E 25-20N 117-24-30E 3-20-20N 117-26-30E 3-20-20E 3-20-20N 117-26-30E 3-20-20E 3-20-20N 117-26-30E 3-20-20E 3-2	•	K. L But Salaintia (Assault)		Externally complete 25X
Histonyving Prob Fabrication/Assembly Plant 112-13-30E Externally complete 25 Externally complete 25 Externally complete 26 Externally c	3			25X
Tao-yang Fabrication Plant 32-06-50N Exernally complete 25-55 Shih-pan-kou Prob Fabrication 32-04-25N Assembly Plant 32-04-25N Assembly Plant 32-04-10N 42-56E Externally complete 25-55 Assembly Plant 31-04-05N 42-05N 42-05	4	Hsiang-yang Prob Fabrication/Assembly	32-07-30N	
Samity Plant 11-11-38E 24-10N 24	5			Externally complete 25X
Assembly Plant 7 Kucheng Prob Fabrication Plant 8 Haing-yang Industrial Complex 8 Haing-yang Industrial Complex 9 Nan-chang Light Fabrication Industry 11 11-13-20E 10 Sui-haien Industrial Area 11 12-30E 11 Nan-chang Prob Heavy Fabrication 11 Nan-chang Prob Heavy Fabrication 11 Nan-chang Prob Heavy Fabrication 12 Nan-chang Prob Heavy Fabrication 13 4-30E 12 Nan-chang Prob Heavy Fabrication 13 4-30E 14 Nan-chang Prob Heavy Fabrication 13 4-30E 14 Nan-chang Prob Heavy Fabrication 13 4-30E 14 Nan-chang Prob Heavy Fabrication 13 1-40-30E 14 Nan-chang Prob Heavy Fabrication Plant 11 1-40-30E 15 Ching-men Industrial Area 16 Ching-men Industrial Area 17 Ching-men Proroleum Refinery Under 18 Ching-men Provideum Refinery Under 19 Yuan-an Poss Light Industry 19 Yuan-an Poss Light Industry 19 Yuan-an Poss Light Industry 10 Sub-samply Plant 11 1-30-30E 11 Indus-Aan Chemical Plant Ying-cheng 11 Indus-Aan Chemical Pl	c	Chih pan kau Prah Fahriantian/		Externally complete 25X
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Hising-yang Industrial Complex	7	Ku-cheng Prob Fabrication Plant		Under construction
Nan-chang Light Fabrication Industry	8	Hsiang-yang Industrial Complex	31-59-30N	Operational/under construction
111-48-20E	9	Nan-chang Light Fabrication Industry		Externally complete 25X
113,20-50E			111-48-20E	25X
11 Nan-chang Prob Heavy Fabrication Plant 111-50-20E 25	10	Sui-hsien Industrial Area		Externally complete 25X
12 Nan-chang Fabrication Plant 314-005N	11		31-40-30N	Under construction 25X
115-4-00E				Externally complete 25X
31-08-05N Plant 113-456E Under construction 24-56E Under construction 25-56E Und	12	Nan-chang Fabrication Plant		
14	13	Yuan-can Poss Fabrication/Assembly	31-08-05N	Under construction 25X
East (Figure 2) 111-39-20E 31-01-50N 112-08-20E 111-39-20E 31-02-25N 112-08-20E	14			Under construction
15 Ching-men Industrial Area 31-01-50N 112-08-20E 25 112-14-5E 26 112-14-5E	1-7			
16 Ching-men Light Industry 112-11-45E	15			Under construction
112-11-45E 31-00-30N Ching-men Petroleum Refinery Under Construction 112-13-30E Under construction 112-104-05E Under construction 113-41-15E 30-55-50N Under construction 113-41-15E Under construction 114-12-10E Under	16	China man Light Industry		Externally complete 25X
17	10	Ching-men Light madstry		25X
18	17			Under construction
19	18			Under construction
111-38-40E 30-55-30N 30-55-30N 30-43-30N 30-33-45N 30-33-45N 30-33-52N 30-33-52N 30-33-52N 30-33-52N 30-33-40N 30-	10	Yuan-an Poes Light Industry	1	Under construction
113-41-15E 30-49-30N Plant 30-49-30N Plant 30-49-35N Externally complete 25 25 25 25 25 25 25 2	13		111-38-40E	
1-chang Prob Fabrication/Assembly Plant 11-22-10E 1-chang Prob Fabrication Plant 11-22-10E 1-chang Prob Fabrication Plant 11-19-50E 11-1	20	Hsiao-kan Chemical Plant Ying-cheng		Under construction
1-chang Prob Fabrication Plant	21	I-chang Prob Fabrication/Assembly		
111-19-50E 30-38-25N	22			Linder construction 25X
SE 24 Han-kou Poss Motor Vehicle Plant 25 Wu-han Missile and Motor Vehicle Assembly Plant Han-yang 26 Wu-chang Prob Motor Vehicle Subassembly Plant 27 Wu-han Prob Motor Vehicle Subassembly Plant 28 Wu-han Chemical Plant Ko-tien 29 Wu-han Motor Vehicle Plant Wu-chang No. 2 30 Wu-dhang No. 2 30 Wu-dhang No. 2 30 Ku-lao-pei Fabrication/Assembly Plant 30 30-29-20N Plant 30 4 Chih-chiang Fabrication Plant 30 4 Chih-chiang Light Industry 30 5-2-1-2-5-1 Plant 30 5-2-1-2-1 Plant 30 5-2-1-	22	1-chang Frob Fabrication Flam		2EV
24 Han-kou Poss Motor Vehicle Plant 25 Wu-han Missile and Motor Vehicle Assembly Plant Han-yang 26 Wu-chang Prob Motor Vehicle Subassembly Plant 27 Wu-han Prob Motor Vehicle Subassembly Plant 28 Wu-han Chemical Plant Ko-tien 29 Wu-han Motor Vehicle Plant Wu-chang No. 2 30 Wu-chang No. 2 30 Ku-lao-pei Fabrication/Assembly Plant 31 I-tu Poss Light Industry 30 Chih-chiang Fabrication Plant 30 Sub-125N Plant Pla	23	=		
114-12-30E	24			Operational, externally complete 25X
Wu-han Missile and Motor Vehicle		1.5		25X
26 Wu-chang Prob Motor Vehicle 30-32-40N Subassembly Plant 114-19-10E 30-33-40N Subassembly Plant 114-19-10E 30-33-40N Subassembly Plant 114-15-50E 30-33-221N	25	Wu-han Missile and Motor Vehicle	30-33-40N	Operational, externally complete
Wu-chang Prob Motor Vehicle 30-32-40N Operational/under construction		Assembly Plant Han-yang		25X
27 Wu-han Prob Motor Vehicle 30-33-00N Subassembly Plant 114-15-50E 30-32-21N 114-15-50E 30-32-21N Operational, externally complete 25 26 27 27 27 27 27 27 27	26			Operational/under construction
Subassembly Plant	27			Operational externally complete
Wu-han Chemical Plant Ko-tien 30-32-21N 114-35-56E	21			25X
29 Wu-han Motor Vehicle Plant Wu-chang No. 2 30 Ku-lao-pei Fabrication/Assembly Plant 31 I-tu Poss Light Industry 30 Chih-chiang Fabrication / Assembly Plant 31 Chih-chiang Fabrication Plant 32 Chih-chiang Fabrication Plant 33 Chih-chiang Fabrication Plant 34 Chih-chiang Light Industry 30 Chih-chiang Light Industry	28	•	30-32-21 N	Operational/under construction
Wu-chang No. 2 114-24-40E 30 - 29 - 20N Externally complete 25 25 25 25 25 25 25 2	29	Wu-han Motor Vehicle Plant		Operation/under construction
Plant		Wu-chang No. 2		Externally complete 25X
31 1-tu Poss Light Industry 30-27-45N Under construction 111-29-59E	30	•		
32 Chih-chiang Fabrication/Assembly Plant 30-19-25N Under construction 33 Chih-chiang Fabrication Plant 30-17-25N Externally complete 25 34 Chih-chiang Light Industry 30-18-45N Externally complete 25	31		30-27-45N	Under construction 25X
Plant 111-20-30E	32	Chih-chiang Fabrication/Assembly		Under construction
111-18-23E 25 34 Chih-chiang Light Industry 30-18-45N Externally complete		Plant		Externally complete 25X
34 Chih-chiang Light Industry 30-18-45N Externally complete	33	Chin-chiang Fabrication Plant	111-18-23E	25X
	34	Chih-chiang Light Industry		Externally complete
35 Hsien-ning Prob Fabrication 29-52-10N Under construction	35	Hsien-ning Prob Fabrication	29-52-10N	Under construction 25X
Industry 114-17-00E 36 Yang-hsin Industrial Complex 29-53-30N Under construction	20			Under construction
36 Yang-hsin Industrial Complex 29-53-30N Under construction 115-04-30E	36	rang-nsin industrial Complex		Onder construction
37 Pu-chi Poss Processing Plant 29-43-25N Under construction	37	Pu-chi Poss Processing Plant		Under construction
113-51-35E			113-51-35E	



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REFERENCES	
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MAPS OR CHARTS	_
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REQUIREMENT	
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